

## CLAIMS:

1. A liquid crystal display device, comprising a liquid crystal material (3), disposed between first and second substrates (4, 5), a plurality of individually controllable picture elements, each picture element comprising electric field generating means for generating electric fields in more than one direction in order to influence the liquid crystal material (3) in the picture element, wherein said electric field generating means comprises resistive material layer paths (10, 11, 12, 13), disposed on said first substrate (4) and substantially surrounding the area of the picture element, and at least three connection terminals (15, 16, 17, 18) for feeding voltage to the resistive layer material paths (10, 11, 12, 13).

10

2. A liquid crystal display device according to claim 1, wherein the resistive material layer paths form a continuous layer (10, 11, 12, 13), surrounding the area defined by the picture element.

15 3. A liquid crystal display device according to claim 1 or 2, wherein the resistive material layer paths comprise strips (10, 11, 12, 13), which form a rectangle, and the picture element comprises four connection terminals, attached to the corners of said rectangle.

20 4. A liquid crystal display device according to claim 1 or 2, wherein the resistive material layer paths comprise strips, which form a triangle, and the picture element comprises three connection terminals, attached to the corners of said triangle.

5. A liquid crystal display device according to claim 1 or 2, wherein the resistive material layer paths comprise strips, which form a hexagon, and the picture element comprises three connection terminals, attached to every second corner of said hexagon.

25

6. A liquid crystal display device according to claim 3, comprising driving means adapted to feed a first voltage to a connection terminal (15) at a first corner, a second voltage to a connection terminal (17) at a second corner, which is antipodal to the first corner, and to

feed voltages between said first and second voltages to the contact terminals (16, 18) at the intermediate third and fourth corners.

7. A liquid crystal display device according to any of the preceding claims,  
5 comprising an orientation layer, allowing the liquid crystal molecules of the liquid crystal material to rotate freely as long as the molecules extend substantially in a plane that is parallel to said first and second substrates (4, 5).